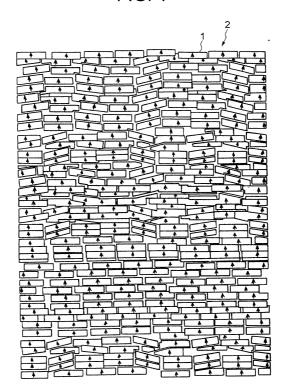
Inte. GIANT MAGNETOSTRICTIVE
MATERIAL AND MANUFACTURING
METHOD THEREOF, AND
MAGNETOSTRICTIVE ACTUATOR AND
MAGNETOSTRICTIVE SENSOR THEREWITH
Inventor(s): Tomohisa ARAI et al.
DOCKET NO.: 017447/0171

FIG. 1



INC. GIANT MAGNELOSI RICITIE
MATERIAL AND MANUFACTURING
METHOD THEREOF, AND
MAGNETOSTRICTIVE ACTUATOR AND
MAGNETOSTRICTIVE SENSOR THEREWITH
Inventor(s): Tomohisa ARAI et al.
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FIG. 2A

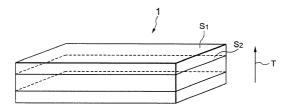
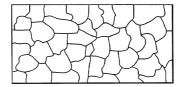


FIG. 2B



itte. GIAN I MAGNETOSTRICTIVE
MATERIAL AND MANUFACTURING
METHOD THEREOF, AND
MAGNETOSTRICTIVE A CTUATOR AND
MAGNETOSTRICTIVE SENSOR THEREWITH
Inventor(s): Tomohisa ARAI et al.
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FIG. 3

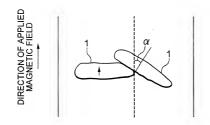
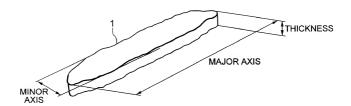


FIG. 4



MATERIAL AND MANUFACTURING
METHOD THEREOF, AND
MAGNETOSTRICTIVE ACTUATOR AND
MAGNETOSTRICTIVE SENSOR THEREWITH
Inventor(s): Tomobisa ARAI et al.
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FIG. 5A

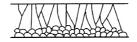
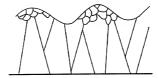


FIG. 5B

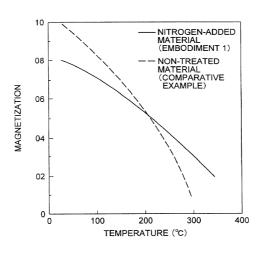


FIG. 5C

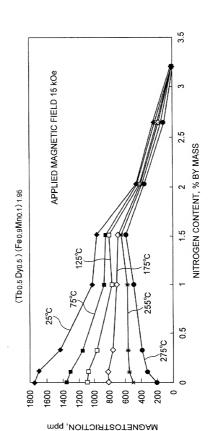


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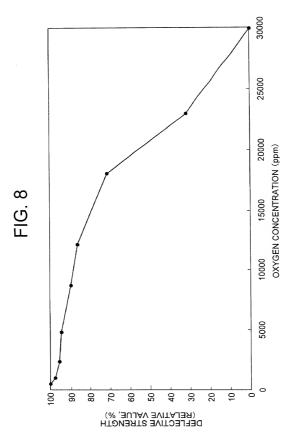
FIG. 6



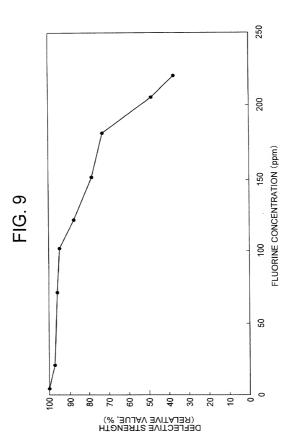
-1G. 7



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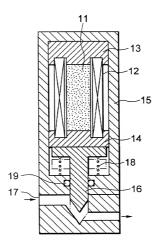
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Inventor(s): Tomobika ARAI et al.
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FIG. 10



Title: GIANT MAGNEHOSTRICTIVE:
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MAGNETOSTRICTIVE SENSOR THEREWITH
Inventor(s): Tomobisa ARAI et al.
DOCKET NO.: 017447/0171

FIG. 11

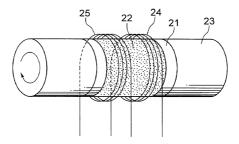
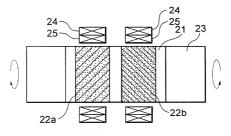
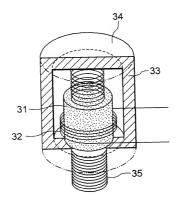


FIG. 12



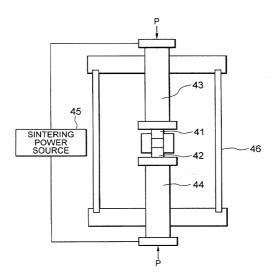
+45° ANISOTROPIC -45° ANISOTROPIC

FIG. 13



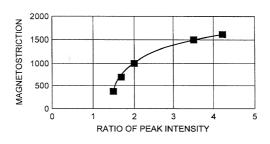
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MAGNETOSTRICTIVE SENSOR THEREWITH
Inventory: Tomohisa ARAI et al.
DOCKET NO: 017447/0171

FIG. 14



MATERIAL AND MANUFACTURING
METHOD THEREOF, AND
MAGNETOSTRICTIVE ACTUATOR AND
MAGNETOSTRICTIVE SENSOR THEREWITH
Inventor(s): Tomohisa ARAI et al.
DOCKET NO.: 017447/0171

FIG. 15



Title: GIANT MAGNETOSTRICTIVE
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MAGNETOSTRICTIVE SENSOR THEREWITH
Inventor(s): Tomohisa ARAI et al.
DOCKET NO. 10174470171

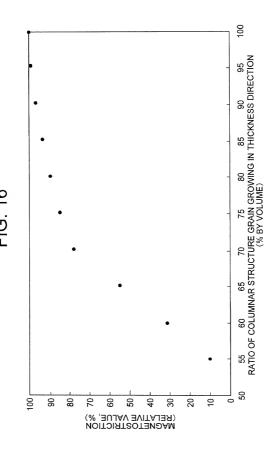
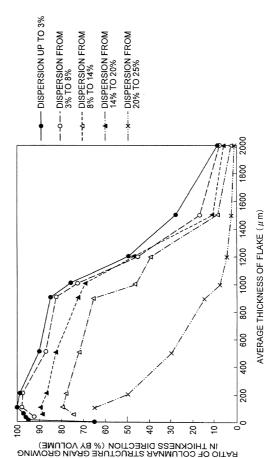


FIG. 17



Title: GIANT MAGNELIOS INCLIVE
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MAGNETOSTRICTIVE SENSOR THEREWITH
Inventor(s): Tomohisa ARAI et al.
DOCKET NO.: 0174470171

FIG. 18

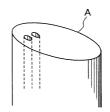
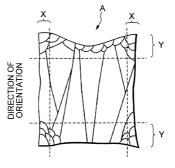


FIG. 19



COOLED SURFACE